

Title (en)

WAVEFRONT REFRACTOR SIMULTANEOUSLY RECORDING TWO HARTMANN-SHACK IMAGES

Title (de)

WELLENFRONTREFRAKTOR ZUR GLEICHZEITIGEN AUFNAHME ZWEIER HARTMANN-SHACK-BILDER

Title (fr)

REFRACTEUR A FRONTS D'ONDES ENREGISTRANT SIMULTANEMENT DEUX IMAGES DE HARTMANN-SHACK

Publication

EP 1223850 B1 20061220 (EN)

Application

EP 01974275 A 20010920

Priority

- EP 0110885 W 20010920
- US 66718000 A 20000921

Abstract (en)

[origin: WO0224060A1] Wavefront refractor apparatus and method which records two Hartmann-Shack images simultaneously at different distances from the lenslet array. The two images recorded this way enable each focal spot to be associated with a lenslet forming the spot to identify "bad" spots, "ghost" spots, and to provide more accurate measurements for diverging or converging wavefronts.

IPC 8 full level

A61B 3/10 (2006.01); **A61B 3/103** (2006.01); **A61F 9/007** (2006.01); **G01J 9/00** (2006.01)

CPC (source: EP US)

A61B 3/1015 (2013.01 - EP US); **G01J 9/00** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

WO 0224060 A1 20020328; DE 60125319 D1 20070201; DE 60125319 T2 20070712; EP 1223850 A1 20020724; EP 1223850 B1 20061220; JP 2004508869 A 20040325; US 6406146 B1 20020618

DOCDB simple family (application)

EP 0110885 W 20010920; DE 60125319 T 20010920; EP 01974275 A 20010920; JP 2002528104 A 20010920; US 66718000 A 20000921